

# Ariel Simmons

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## EDUCATION

**University of Notre Dame**, Notre Dame, IN

May 2021

Bachelor of Business Administration, Business Analytics | Second Major, Chinese | Minor, Philosophy

Major GPA: 3.28/4.0

## RELEVANT EXPERIENCE

**Comprehensive Sleep Medicine Associates**

Houston, TX

*Developer and Data Analyst*

October 2020-Present

- Wrote a program to automate a manual file transfer process which saved roughly 50 labor hours per month [Python/Selenium]
  - Downloaded patient data from one website, scraped PDFs and extracted needed data, then uploaded to EMR system
- Created and deployed an application to automate the visualization of patient data and export PDF reports [R/R Shiny]

**The University of Notre Dame**

Notre Dame, IN

*Student/Research Assistant*

August 2020-Present

- Investigated the likelihood of a police officer's body camera being turned on/off during an interaction that involved a death-by-officer, as well as identified important variables leading to this phenomenon [R/Tableau]
  - Wrangled thousands of records from multiple datasets, then created and ran a machine learning algorithm on data
- With machine learning, researched if the difficulty of a question on an electronic survey was predictable based on the relationship between question difficulty and explanatory factors (i.e. answer time, mouse movement, number of clicks) [R]
- Analyzed the effectiveness of neural networks when it comes to facial recognition and race classification [Python]

**KPMG US LLP**

Denver, CO

*Data & Analytics Intern, Tax*

June 2019-February 2020

- Created 26 automated processes to populate client data into multiple integrated systems in order to enable tax teams to begin their work without having to do the manual inputting on their own [Alteryx]
- Managed and maintained a WinAutomation Bot for over 400 separate tax engagements across the country
  - Automated the compiling of data on bot runs and provision of reports in presentable fashion [Alteryx]
- Performed quality assurance through Unit Testing on scripts that were created to mimic an Alteryx Workflow [Python]

**Drub, LLC**

South Bend, IN

*Founder and CEO*

September 2017-March 2018

- Added value by bringing fast and tasty food to the nightlife of St. Joseph County without the inconvenience of leaving the party

## ATHLETICS & LEADERSHIP

**Student Athlete Advisory Council**

Notre Dame, IN

*Fencing Team Representative*

August 2017-August 2019

- Initiated a successful project involving every sports team in order to gain student opinions and initiate change regarding the student-athlete dining situation on campus, which resulted in the Athletic Department providing more dining options for student-athletes

**Notre Dame Varsity Fencing Team**

Notre Dame, IN

*Captain, Starter*

August 2016-Present

- Helped lead team to its 3<sup>rd</sup> ACC Title, 9<sup>th</sup> and 10<sup>th</sup> NCAA National Championship Titles and #1 National Ranking
- Collaborate with 60+ teammates on a daily basis to instill hard-working and family values in a competitive, victory-hungry team

**Rosenthal Leadership Academy**

Notre Dame, IN

*Selected Participant*

August 2016-April 2019

- Nominated on behalf of peers, coaches, and staff to represent the program in monthly meetings, retreats, and workshops
- Developed leadership skills through activities and constructive personal development seminars

## EMPLOYMENT

**Danny Boy Draft Works**

South Bend, IN

*Bartender, Server and Cook*

April 2018-August 2020

- Utilized interpersonal and inventory management skills working in a fast-paced environment, and often led team in sales/tips

## SKILLS

**Technical:** Python (pandas, numpy, Selenium, pytest, scikit-learn, Keras, NLTK, Django), R (ggplot, XGBoost, CatBoost, tidyverse, R Shiny), Alteryx, SQL, Firebase, Tableau, JavaScript, CSS, HTML, Git, Jira, QA, Flutter (Dart)

**Languages:** English (Native), Russian (Native), Chinese (3<sup>rd</sup> Year Proficiency)

**Certifications:** Alteryx, Python (and Selenium) for Web Automation and Unit Testing, R

**Interests:** Entrepreneurship, Connecting with People, Volunteering, Personal Growth, Learning New Skills, Experiencing Different Cultures, Finding New Music, Cooking, Hiking, Texas Hold'em Poker, Making My Own Music, Rock Climbing

**Fencing Accomplishments:** 2-time NCAA 1<sup>st</sup> Team All-American, Individual ACC Champion, ACC Fencer of the Year, U17 World Champion

**Notable Risks/Failures:** Took 2 Gap Years from College (1 Pre, 1 During) to Pursue Olympic Qualification and Fell Short Both Times